Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/23/2021 08:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124918	-1	1.18	124790	1.13
Blue	F	SSC	125000	124027	-1	2.29	124374	2.14
Blue	E	FITC	13131	12739	-3	2.15	294	15.76
Blue	D	PE	24112	23593	-3	1.58	543	10.48
Blue	B	PerCP-Cy5-5	31295	30549	-3	2.88	1012	14.16
Blue	A	PE-Cy7	19939	19832	-1	5.11	527	29.17
Red	C	APC	42122	41452	-2	3.01	1740	11.13
Red	A	APC-Cy7	22340	21727	-3	3.29	814	11.34
Violet	B	V450	7410	7130	-4	3.52	432	12.03
Violet	A	V500	28118	26957	-5	3.12	671	9.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23182	0.96	566	-3	N/A	N/A	Pass
Blue	F	SSC	57860	1.06	517	5	N/A	N/A	Pass
Blue	E	FITC	55	53.22	484	-3	0.0391	74	Pass
Blue	D	PE	115	36.61	486	-2	0.4763	367	Pass
Blue	B	PerCP-Cy5-5	189	34.56	582	-4	0.0208	49	Pass
Blue	A	PE-Cy7	106	65.23	625	-3	0.0215	0	Pass
Red	C	APC	403	23.36	576	0	0.0297	194	Pass
Red	A	APC-Cy7	183	26.69	550	-1	0.0067	1052	Pass
Violet	B	V450	61	61.77	457	4	0.0780	2941	Pass
Violet	A	V500	97	34.70	468	3	0.0266	940	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.69	-31.56	1.03
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.42
Red	16.06	13.60 - 20.40	N/A	N/A	29.99	30.14	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10450

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments